# **APPENDIX B**

**Wetland Determination Data Forms** 



Date: 03/02/06

750 Sixth Street South Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136 WETLAND? NO YES Motland: 1

Project Name: Burke-Gilman Trail Diologist(s): JC, DN	eata point: DP-1 Wetland: 1  Pata point location: N. side Beach Drive, east end				
Do normal environmental conditions exist? YES Has vegetation, soils &/or hydrology been significantly disturbed	NO d within the past 5 yrs? YES NO				
Stratum: T=tree, S=shrub, H=herb, V=vine Dominant Species Stratum WIS (mud & sediment)	ATION Other Species Stratum WIS Rumex crispus H FAC+				
Percent of dominant species that are FAC, FACW of Vegetation criteria met? YES NO Notes:  Wetland covered with bare mud & sediments.	or OBL <u>0%</u> ot, vegetation will likely sprout in spring/summer.				
Depth Horizon Matrix Color Mottles 10"+ B 10YR 2/1 no	Texture Hydric Indicators:  muck x Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes)				
Soil Criteria Met? YES NO Notes:					
Surface saturation? YES NO  Depth to saturation surface Depth of inundation Depth to free water in pit Flow? YES NO Channel? Sheet?  Surface NO  Primary Indicators Observation of Water marks X Drift lines or do X Sediment deport	Secondary Indicators: (≥2 required) f inundation f soil saturation  x Water-stained leaves Local soil survey data rainage patterns  Secondary Indicators: (≥2 required)  x Water-stained leaves Local soil survey data				
Hydrologic Criteria Met? YES NO Recent rainfall:  Notes:	Very high High Normal Low Very low				
WILDLIFE OBSERVATIONS AND GENERAL NOTES					



750 Sixth Street South Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136

WETLAND? YES NO Date: 03/02/06 Wetland: Data point: DP-2 Project Name: Burke-Gilman Trail Data point location: Upslope from DP-1 Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum Stratum WIS Rubus discolor FACU S llex aquifolium S NL Н NL Geranium robertianum grasses Н **FAC** Percent of dominant species that are FAC, FACW or OBL 50% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 10YR 3/2 12"+ В gravelly sandy loam no Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Observation of inundation Oxidized root channels Depth to saturation Depth of inundation Observation of soil saturation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: Damp. WILDLIFE OBSERVATIONS AND GENERAL NOTES



750 Sixth Street South Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136

WETLAND? YES NO Date: 03/02/06 Data point: DP-3\_\_\_\_ Wetland: 2 Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum Stratum WIS FAC+ Salix babylonica Т Populus deltoides Т FAC Cornus stolonifera S **FACW** Percent of dominant species that are FAC, FACW or OBL 100% Vegetation criteria met? YES NO Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 12"+ В 10YR 3/1 x Gleyed/Low Chroma silty loam Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** Surface saturation? YES NO Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Depth to saturation Observation of inundation Oxidized root channels surface x Observation of soil saturation x Water-stained leaves Depth of inundation Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



750 Sixth Street South Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136

WETLAND? NO YES Date: 03/02/06 Data point: DP-4 Wetland: Project Name: Burke-Gilman Trail Data point location: adjacent to Wetland 2 Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine **Dominant Species** WIS Other Species Stratum Stratum WIS Rubus discolor FACU S Н NL Geranium robertianum grasses Н FAC Percent of dominant species that are FAC, FACW or OBL 50% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 10YR 3/2 12"+ В gravelly sandy loam no Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) YES Soil Criteria Met? NO Notes: Fill slope below road. **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Observation of inundation Oxidized root channels Depth to saturation Depth of inundation Observation of soil saturation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: Damp.

# WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/02/06 Data point: DP-5 Wetland: Project Name: Burke-Gilman Trail Data point location: Upslope from DP-4 Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine Dominant Species WIS Other Species Stratum WIS Stratum Populus deltoides FAC Rubus discolor S FACU Percent of dominant species that are FAC, FACW or OBL 50% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 10"+ В 10YR 3/3 gravelly sandy loam yes Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** Surface saturation? YES NO Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Depth to saturation Observation of inundation Oxidized root channels surface x Observation of soil saturation Depth of inundation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



750 Sixth Street South Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136

WETLAND? YES NO Date: 03/02/06 Data point: DP-6\_\_\_\_ Wetland: 2 Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum Stratum WIS FAC Populus balsamifera Т S Rubus discolor FACU Spiraea douglasii S **FACW** llex aquifolium S NL Hedera helix NL Percent of dominant species that are FAC, FACW or OBL 67% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 12"+ В 10YR 2/1 sandy loam x Gleyed/Low Chroma some Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** Surface saturation? YES NO Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Observation of inundation Oxidized root channels Depth to saturation surface x Observation of soil saturation x Water-stained leaves Depth of inundation Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? x Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: Culvert empties into wetland from under road, WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/02/06 Data point: DP-7 Wetland: Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum WIS Stratum FAC Populus balsamifera Т Rubus discolor S FACU Phalaris arundinacea Н **FACW** Percent of dominant species that are FAC, FACW or OBL 67% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 12" В 10YR 2/2 sandy loam very few Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) \_14" Oxidized root channels Observation of inundation Depth to saturation x Observation of soil saturation Depth of inundation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Marginal, distinct from other wetlands. Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/02/06 Data point: DP-8 Wetland: Project Name: Burke-Gilman Trail Data point location: Upslope Wetland 3 Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine **Dominant Species** WIS Other Species Stratum Stratum WIS Populus deltoides FAC Т T Populus balsamifera **FAC** Rubus discolor S **FACU** Taraxacum officinale Η **FACU** Н FAC grasses Percent of dominant species that are FAC, FACW or OBL 60% Vegetation criteria met? Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 10YR 2/2 В gravelly sandy loam 8"+ Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Oxidized root channels Observation of inundation Depth to saturation Depth of inundation Observation of soil saturation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/02/06 Data point: DP-9\_\_\_\_ Wetland: 3 Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum Stratum WIS FAC Populus balsamifera Т S Rubus discolor FACU Rubus spectabilis S FAC+ Acer circinatum S FAC-Phalaris arundinacea Н **FACW** Percent of dominant species that are FAC, FACW or OBL 60% Vegetation criteria met? Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 12"+ В 10YR 3/1 x Gleyed/Low Chroma silty loam Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** Surface saturation? YES NO Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Observation of inundation Oxidized root channels Depth to saturation surface x Observation of soil saturation Depth of inundation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



750 Sixth Street South

WETLAND?

Kirkland, Washington 98033 (425) 822-5242 Fax (425) 827-8136

YES

NO

Date: <u>03/07/06</u>	Data point: DP-10 Wetland: 8				
Project Name: Burke-Gilman Trail  Biologist(s): JC, DN	Data point location: South end near 145th				
Do normal environmental conditions exist? YES Has vegetation, soils &/or hydrology been significantly disturbed	NO ed within the past 5 yrs? YES NO				
Stratum: T=tree, S=shrub, H=herb, V=vineVEGEDominant SpeciesStratumWISRanunculus repensHFACWgrasses (misc)HFAC	TATION Other Species Stratum WIS				
Percent of dominant species that are FAC, FACW	or OBL <u>100%</u>				
Vegetation criteria met? YES NO Notes:					
Depth Horizon Matrix Color Mottles 8"+ B 10Y 3/1 yes	Texture Hydric Indicators: gravelly silty loam x Gleyed/Low Chroma				
Soil Criteria Met? YES NO	x Sulfidic odor Histosol Other (list in notes)				
Notes:					
HYDROLOGY					
Surface saturation? YES NO Primary Indicators Depth to saturation surface x Observation of Depth of inundation 2" x Observation of Depth to free water in pit water marks Flow? YES NO x Drift lines or of Channel? x Sheet? x Sediment depth	of inundation				
Hydrologic Criteria Met? YES NO Recent rainfall:  Notes:	Very high High Normal Low Very low				
WILDLIFE OBSERVATIONS AND GENERAL NOTES Fairly wide ditch at base of seeping hillside.					



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YES WETLAND? NO Date: 03/07/06 Data point: DP-11 Wetland: 4 Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine WIS Other Species Dominant Species Stratum WIS Stratum FAC Populus balsamifera Rubus discolor S FACU Percent of dominant species that are FAC, FACW or OBL 50% Vegetation criteria met? YES Notes: Marginal, weedy **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 14" В 10YR 2/1 gravelly sandy loam x Gleyed/Low Chroma no Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Observation of inundation Oxidized root channels Depth to saturation x Observation of soil saturation x Water-stained leaves Depth of inundation Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/07/06 Data point: DP-12 Wetland: Project Name: Burke-Gilman Trail Data point location: sideslope Wetland 4 Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine **Dominant Species** WIS Other Species Stratum Stratum WIS Rubus discolor FACU S Taraxacum officinale Н FACU grasses Н FAC Percent of dominant species that are FAC, FACW or OBL 33% Vegetation criteria met? YES Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 2.5Y 4/3 silty clay loam 10"+ В yes Gleyed/Low Chroma Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: **HYDROLOGY** NO Surface saturation? YES Primary Indicators: (1 required) Secondary Indicators: (≥2 required) Oxidized root channels Observation of inundation Depth to saturation x Observation of soil saturation Depth of inundation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO Drift lines or drainage patterns FAC-neutral test Channel? Sheet? Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Damp on surface, saturated at 4", downslope of trail Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO Date: 03/07/06 Data point: DP-13 Wetland: 5 Project Name: Burke-Gilman Trail Data point location: Biologist(s): JC, DN Do normal environmental conditions exist? NO Has vegetation, soils &/or hydrology been significantly disturbed within the past 5 yrs? YES NO **VEGETATION** Stratum: T=tree, S=shrub, H=herb, V=vine Dominant Species WIS Other Species Stratum Stratum WIS Phalaris arundinacea **FACW** Н Percent of dominant species that are FAC, FACW or OBL 100% Vegetation criteria met? YES NO Notes: **SOILS** Mottles Matrix Color Depth Horizon Texture **Hydric Indicators:** (Distinct/Prominent) 5GY 3/1 10"+ В silty loam x Gleyed/Low Chroma yes Sulfidic odor Histosol Other (list in notes) Soil Criteria Met? YES NO Notes: appears to be native soil **HYDROLOGY** Surface saturation? NO Primary Indicators: (1 required) Secondary Indicators: (≥2 required) x Observation of inundation Depth to saturation Oxidized root channels Depth of inundation 2" x Observation of soil saturation Water-stained leaves Depth to free water in pit Water marks Local soil survey data Flow? YES NO x Drift lines or drainage patterns FAC-neutral test Channel? Sheet? x Sediment deposits Hydrologic Criteria Met? YES NO Recent High rainfall: Very high Normal Low Very low Notes: WILDLIFE OBSERVATIONS AND GENERAL NOTES



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WETLAND? YES NO

Date: <u>03/07/06</u>					
Project Name: Burke-Gilman Trail	Data point: <u>DP-14</u> Wetland: Data point location: Upslope of Wetland 5				
Biologist(s): JC, DN	Data point location. Opsiope of Welland 3				
Do normal environmental conditions exist? YES	S NO				
Do normal environmental conditions exist? YES Has vegetation, soils &/or hydrology been significantly distur	<u> </u>				
VEO	FTATION				
Stratum: T=tree, S=shrub, H=herb, V=vine VEG  Dominant Species Stratum WIS	<b>ETATION</b> Other Species Stratum WIS				
Rubus discolor S FACU					
Phalaris arundinacea H FACW	1				
Develop of deminent energies that are EAC EACIA	Now ORL FOO				
Percent of dominant species that are FAC, FACV	V or OBL <u>50%</u>				
Vegetation criteria met? YES NO					
Notes:					
S	SOILS				
Depth Horizon Matrix Color Mottles	Texture Hydric Indicators:				
12"+ B 2.5Y 3/2 no	sandy loam Gleyed/Low Chroma				
	Sulfidic odor				
	Histosol Other (list in notes)				
Soil Criteria Met? YES NO					
Notes: appears to be old fill lining ditch					
	ROLOGY				
Surface saturation? YES NO Primary Indicate Depth to saturation surface Observation	ors: (1 required) Secondary Indicators: (≥2 required) of inundation Oxidized root channels				
	n of soil saturation Water-stained leaves				
Depth to free water in pit Water mark					
Flow? YES NO x Drift lines o Channel? Sheet? x Sediment d	r drainage patterns FAC-neutral test				
Hydrologic Criteria Met? YES NO Recent rainfall:	Very high High Normal Low Very low				
Notes:	vory mgm <u>raga</u> rearman zon vory ion				
WILDLIFE OBSERVATIONS AND GENERAL NOTES					